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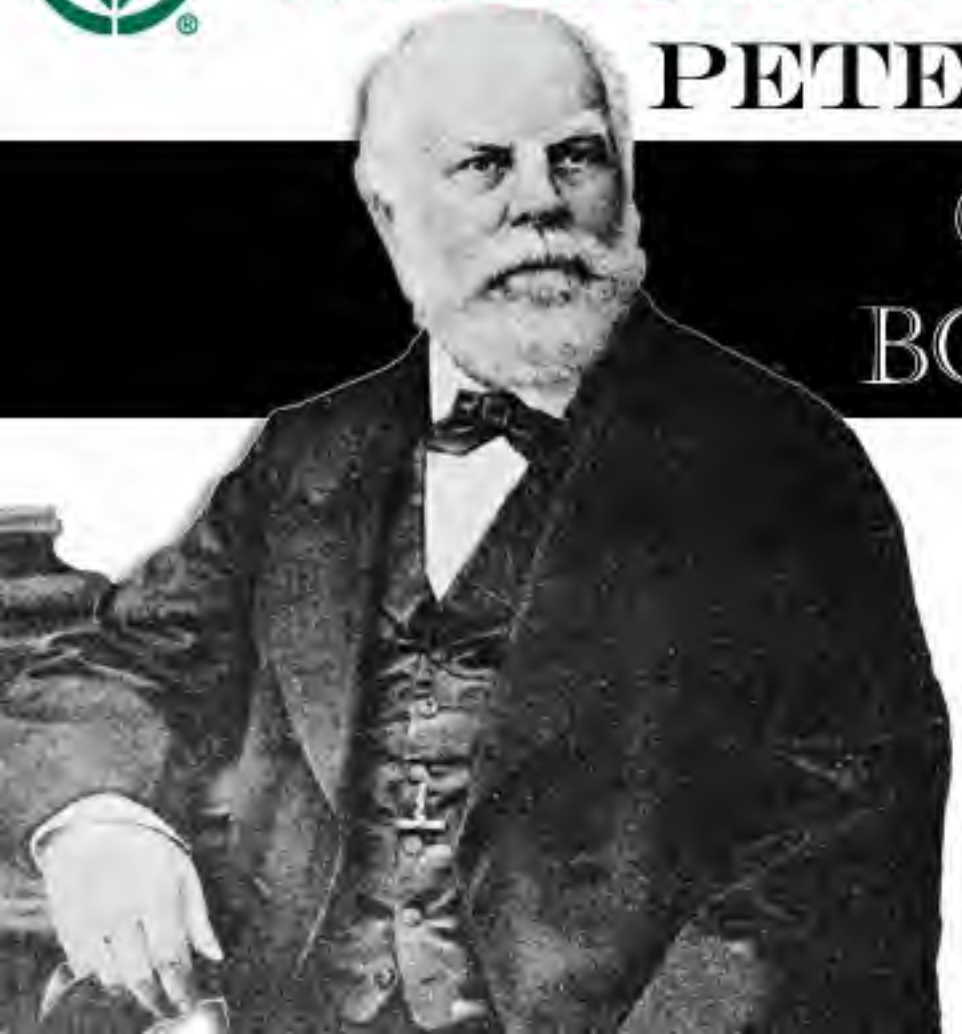

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(20)

Yucca. L.— Dr Engelmann (Trans St. L. Ac. Sc. III.) has instituted sic.

I. Euyucca. Filamenta clavata obtusa papillosa pistillo plerumque breviora demum patula vel recurva, antherae cordato-sagitt; ovarium prismaticum, stigmata papillosa.

A. Sarcoyuccae. Fructus indehiscens, baccatus pendulus; semina crassa undulata immarginata albumine lobato-ruminato. Plantae plerumque arborescentes, paniculae sepius sessiles.

Y. aloifolia, L. Treculiana, Car.— Baccata, Tor.

B. Clistoyucca. Fructus indehiscens, pendulus (?) demum siccatus; semina tenuiora, plana, vix marginata, albumine integro— Plantae caulescentes, altera arborescens, paniculae sessili vel pedunculata,

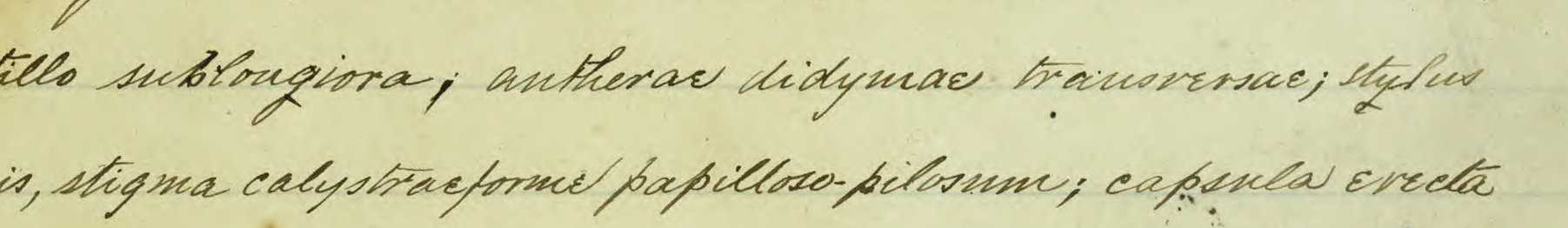
Y. baccata. Eng. Gloriosa, L.

C. Chaenoyucca; Fructus capsularis, erectus, septicide dehiscens, demum apice 6-valvis: semina tenuia plana, latius marginata, albumine integro— acaules v. vix caulescens paniculae in scapo elata.

Y. angustifolia. filamentosa.

II. Hesperoyucca, Filamenta clavata, acuta, laevia, erecta, pistillo subtongiora; antherae didymae transversae; stylus tenuis, stigma calyptraeforme papilloso-pilosum; capsula erecta loculicide trivalvis, valvis indevisis; semina ut in "Chaenoyucca". Planta acaulescens; folia margine serrulato-asperata paniculata in scapo elatior.

Y. whipplei, Torr.



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Instituimus ita, ut Yuccæ cultæ raro florent.

a. Serrato-marginatæ.

Folia margine serrulato asperata —

Y. aloifolia, brevifolia Whipplei.

β. Integro-marginata.

Y. gloriosa. Y. Treculiana

γ. Filamentoso-marginata.

Folia margine filifera.

Y. baccata. angustifol. filamentosa.

Serrato-Marginatæ.

Y. aloifolia. L. caule elatior; foliis lineari-lanceolatis supra leviter concavis nunc rigidis pungentibus lævibus margine asperrimis; bracteis paniculæ subsessilis ovatæ v. oblongæ glaberrimæ minoribus triangularibus marcescentibus; perigonii segmentis ovatis; staminibus ovarium prismaticum stigmatibus sessilibus brevibus crassis rectis coronatum nunc æquantibus demum patulis; bacca prismatica 6-angulari acuminata.

Forma genuina: simplex v. parce ramosa; foliis crassis rigidissimus mucrone validis brunneis pungentibus

γ. aloifolia. Lin. et auct. plur.

Var Draconis genuina; elatior, subsimplex; foliis laxioribus sæpius demum reflexis mucrone debiliore pungentibus (Engl^m l.c. 36)

Y. draconis L. — An haec in "Hort. Bot. Mo" est?

Planta multa, foliis serrulato-asperatis, sub nomine Hortorum forma "Y. aloifolia" sunt..

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Y. brevifolia. Engel^m in Watson, Bot. King. Expl. 1871. v. 496. ——

caule elato ramoso; foliis brevibus e basi lata sensim
angustatis late linearibus supra planiusculis versus
apicem concavis subtus convexis carinatis pungent-
-ibus rigidissimis utrinque asperrimis margine dis-
-sitissimo serrulatis, paniculâ sessili ramosa; fructu
ovato obsolete 6-angulato acutato, (Engl^m l.c.)
Folia non constricta versus basin! Plantæ a Sancto Diego
recipiebantur.

β. Integro-marginatæ.

Y. gloriosa, L. "caule humiliore nunc ramoso; foliis
linear-lanceolatis versus basin latam angustatis
supra plano-concavis sæpius plicatis opacis fere
glaucescentibus dorso asperulis pungentibus; pan-
-icula folia excedente, bracteis e basi lata lan-
-ceolatis, summis marcentibus; staminibus ov-
-arium prismaticum apice attenuatum stigmat-
-ibus gracilioribus coronatum subæquantibus, e floris
unciatis." (Engl^m l.c. 39). Planta a "Kew" per "Baker" recip-
-iebantur. "Y. glauca" est forsan forma "Y gloriosæ."
Y. stenophylla (ex "Loch") foliis brevioribus, plicatis et
flaccidis est forsan forma "gloriosæ". Hæc in "Horto
Bot. Mo." nunquam floruerunt; sed, Y. gloriosa (vera) in
Horto Alico floruerunt.

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γ canaliculata. Baker. "caule elato ramoso; foliis long-
issimis rigidissimis profunde concavo-canaliculatis
margine brunneo serrulatis tunc integris demum
parce filamentosis pungentibus subtus asperrimis; pani-
-cula densiflora ovato subsessili laevinscula, brac-
-eis superioribus amplis ovatis seu ovato-lanceolatis
pungenti-cuspidatis pergamentaceis albidis, sum-
-mis ovatis seu lanceolatis albis; staminibus pistillo
vix brevioribus uncinatis; ovario prismatico in
stylum stigmatibus gracilibus coronatum atten-
-uato; bacca fere cylindrica elongata rostrata".

γ treculiana. Carr. 1858, Nostra planta in probabiliter
à Gallia est, et Engelmann, ut flora in 1872, designavit.
γ aspera. ad forma "treculiance." Foliis concavo-can-
-aliculatis, prope semicircularibus, intelligitur. Yucca
canaliculata et gloriosa participes omnium sectionum
sunt; folia juniora asperata sunt, folia ubi integra et
demum filamentosa (parce).

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Filamento-marginatæ.

Y. baccata. Torr. Bot. Mex. Bound. 221. (1858) Ives Rep. Bot 29. ——

äcaulis seu plerumque caulescens; foliis anguste lan-
-ceolatis versus basin dilatam angustatis crassis rigidis-
-imis scabris mucrone brunneo robusto pungentibus concav-
-is; margine filis crassioribus ornatis; paniculæ bre-
-vius seu longius pedunculatæ plerumque laevi, brac-
-eis inferioribus amplis ovato lanceolatis cuspidatis
pungentibus pergamentaceis supra albidis, ultimis
lanceolatis, staminibus demum patulis vix recurvis
ovarium prismaticum fere æquantibus; stylo vario
nunc elongato; bacca sæpius ovata rostrata (Engl^m l.c. 74).
Plantam (unam) florentem à "San Diego" (cum agave Shawii) re-
-cepimus. Flores ad Engelmann mittebantur, qui designavit.
Filis crassioribus intelligitur. Planta nostra medius "Forma
genuina" (Engl^m) et "var β. australis. (Engl^m) sunt. Baccæ ma-
-turæ in "Mus. Hort. Bot. Mo." ab "Arizona" (Dr Palmer) sunt, sub
nomine Y. edulis. Engl^m, quid synonym^m Y. baccatæ. (Torr)
(Engelmann dixit June 18/76) est.

Y. filamentosa. L. "subacaulis; foliis linear-lanceolatis
supra basin latiorem contractis apice incurvato seu
molli; paniculæ pyramidatæ in scapo foliaceo-brac-
-eato alte supra folia elatæ; stigmatibus elongatis
nunc distinctis albidis; capsula cuspidata, semin-
-ibus angustius marginatis" (Engel^m l.c. 51)
Var? pubescens, segmentis perigonii angustiore et stylis elong-
-atis. Var. pubescens. (Engl^m dixit June 18/76 — Y. tomentosa. (M.H.G.)

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var flaccida. "acaulis; foliis (bliribus) lineari-lanceolatis
mollibus flaccidis demum irregulariter decurvatis re-
fractisve glaucescentibus v. v. scabrellis subinermibus marg-
=ine filis tenuissimis abunde ornatis; scapo bracteis
brevibus spatulatis instructo paniculæ nunc puberu=
-læ aequilongo; ovario versus basin irregulariter angu=
=latam angustato, stigmatibus conniventis brevioribus
sursum attenuatis; capsula majore supius constricta
angulata sursum profunde triloba, seminibus majorib-
us
Hostræ plantae G. flaccida. (Refug. Bot.) simul genuine ab "Kew"
per "Baker" recepimus,

G. angustifolia. Pursh, Fl. II. 727 subcaulescens; foliis (plur-
-imis) è basi latiore linearibus laevibus plerumque
pungentibus; stigmatibus ovario brevioribus viridib-
-us; capsula prismatico-ovata obtusa brevicuspidata,
seminibus magnis late marginatis. Duæ forma
in Hort Bot. Mo. simul; unus foliis brevioribus ab "Rock Mouts."
(var elata Engl^m?) et unus foliis longioribus (forma genuina
Engl^m!)

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